

OFFICE OF ENERGY INDEPENDENCE

CHESTER J. CULVER, GOVERNOR
PATTY JUDGE, LT. GOVERNOR

ROYA STANLEY, DIRECTOR

State Energy Council & Green Government Steering Committee
Friday November 21, 2008
Minutes

Green Government Steering Committee Agenda:

- 1) November 7th Minutes Approval
- 2) Survey Update: Mike Coveyou
 - a. Minor changes have been made in order to fix a couple of minor questions.
 - b. Five survey's have already been returned.
 - c. One agency will be turning the survey in on the 3rd of December
 - d. Larger agencies- have had some difficulty organizing the responses
 - e. Mike has received one phone call about the survey to date.
 - f. Rather encouraged that we have had as many responses already
 - g. Locally available was changed to: Locally produced products and services.
- 3) Colorado Green Government: Rob Grayson
 - a. <http://www.colorado.gov/energy/greening/index.asp>
 - b. The Greening Government goals Colorado state government seeks to achieve by June 30, 2012 are:
 - i. 20% reduction in energy use
 - ii. 20% reduction in paper use
 - iii. 10% reduction in water consumption
 - iv. 25% volumetric reduction in state vehicle petroleum consumption
 - c. Each state department and campus will create a sustainability management system to track and report their greening government performance. The Council prepares an annual report card to the Governor.

4) Other Business:

- a. Energy Use Data- needs to be gathered in a timely manner.
 - i. Vehicles Miles Driven
 - ii. Petroleum Used
 - iii. Building Energy Use
 - 1. The issue of continuity and comparing it over time will need to be addressed by determining the baseline for the data we will compare it to.
 - 2. Compare only like use from year to another. As we gather more data we will need to make sure we compare the data that we had from the previous years to the current year.
 - 3. Vehicle use and the number of vehicles and comparing them overtime. Make sure we compare data to the same data.
- b. Past energy use data is going to require some interpretation if we go before FY 2006.
- c. IBM Green Computing
 - i. Two years ago they dedicated \$1 billion for green endeavors
 - ii. What is the state doing on Green Computing?
 - iii. IBM is fascinated with Green Government Coordinators
 - iv. Preliminary discussions about the products that people didn't know were on the market yet
 - 1. IBM is going to have a server that is a blade server which will not hold 100 servers compared to before only 19 would fit
 - 2. Redundant power sources so that it continues to work
 - 3. The heating and air control can be controlled so that you aren't spending as much money on energy consumption

4. DAS virtualization of 67 servers went to 5 servers a few weeks ago.
 5. IBM took a mainframe and 160 servers to 1 mainframe server.
 6. Economics of redeploying a different software package. This allows you to run different operating software. Iowa health is going to work on the same process. Iowa Health is about 7th largest system in the U.S. Excellent partner for green computing and other things.
- d. Database: There was a small discussion about the possibility of getting a database to store the EO6 Data. It was concluded that we could use the Excel report from Survey Monkey and Access to create the necessary database for storing the EO6 Data.
 - e. E041 Data- It is believed that about five agencies are still reporting the data.
 - f. Baselines: FY 2000 was used for EO41 and the baseline for EO6 has yet to be determined.
 - g. Monica will look at EO41 data to see what baseline we can establish for EO6

State Energy Council Agenda:

- 1) Legislation: Roya
 - a. DAS- Appropriation for testing of biofuels. They have asked for a similar appropriation for this next year. Ken Thornton stated they have successfully burned bio oil in a boiler but we need more money to conduct further research and transition.
 - b. Capitol Complex Generation Project. After an extended engineering meeting we have solved the shadow flicker problem with a large wind turbine (1.5MW). There are 2 locations on the complex that were found, after a preliminary engineering study, to

be acceptable sites for the turbine. A large scale turbine is necessary to be cost effective with total cost of electricity produced at 7.3 cents per Kwh. This includes payback of capitol investment over a 10yr. period. We have enough funding to build the turbine if monies get released (securitized) from the Tobacco Trust Fund settlement. IUB/OCA seems to be very excited that the turbine could be sited close to their new building which is an energy savings model for future community buildings in Iowa

- c. Plumbing to take up issues with the Plumbing code and mechanical code. There are no mechanical code requirements in most of the state. This could be an issue to address at some point but possibly not now. Mechanical code issue will be kept up to date by Stuart Crine.

2) Energy Plan: Roya

- a. Hired Navigant to work on plan.

- i. Policy Recommendations-

- 1. EE

- a. 1.5% reduction in EE how does that square with Culver
 - b. We need to address other ways to deliver EE outside of the Utilities. Look at tax codes and state legislature that encourage more EE by people.
 - c. Bringing these to the Board to look at changes in Recommendations. Utilities as a team to figure things out together.
 - d. Smart Growth- energy codes
 - e. Encouraging Sustainable Design- not clear in item 2 of the plan. Thinking of Land Use planning. If we don't get our foot in the door

about this now the curve could be too steep if we wait.

- f. Reduce Energy Consumption in existing buildings should be discussed. We need to focus on this and on reducing energy consumption in new construction.

2. RE

3. Biofuels

3) Other Business: No other business.